

Abstract of the Disclosure

This invention is concerned with human organic anion transporter
5 ("hOAT"). Isolated nucleic acid encoding hOAT is provided, along with
ioslated hOAT polypeptide. hOAT nucleic acid and/or hOAT polypeptide are
employed in transgenic animals, recombinant cells, replicable vectors and
analytical procedures for identifying hOAT agonists or antagonists, assays for
identifying hOAT alleles and/or isotypes, screening tests for nephrotoxic or
10 neurologically active compounds, and determination of drug-drug interactions
within the kidney or brain.

15